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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A mercury vapor discharge lamp comprising:
 - an envelope;
 - means for providing a discharge;
 - 5 a discharge-sustaining fill of mercury and an inert gas sealed inside said envelope; and
 - a phosphor-containing layer coated inside said envelope, said phosphor-containing layer including a blend of phosphors, including:
 - 10 a blue-green emitting halophosphate having a peak at about 470-490 nm;
 - a red-emitting phosphor having a peak at 600-620 nm;
 - a green-emitting phosphor having a peak at 535-555 nm;
 - 15 optionally, a blue-emitting phosphor having a peak at 470-510 nm; and
 - a white-emitting halophosphate, the white emitting halophosphate having a first peak at about 570-590 nm and a second peak at about 470-490 nm and a correlated color temperature which is at least approximately the same as that of the lamp.
2. (Cancelled).
3. (Original) The lamp according to claim 1, wherein the blue-green emitting halophosphate has the general formula: $Ca_{5-y}(PO_4)_3F_{1-y}O_y:Sb_y$, where $0.03 < y < 0.07$.
4. (Currently Amended) The lamp according to claim [[2]] 1, wherein the white-emitting halophosphate has the general formula: $Ca_{5-x-y}(PO_4)_3F_{1-z-y}Cl_zO_y:Mn_xSb_y$, where
 - 5 $0.03 < x < 0.22$;
 - $0.03 < y < 0.07$; and

0.02<Z<0.2.

5. (Original) The lamp according to claim 1, wherein at least one of the red-emitting phosphor and the green-emitting phosphor includes a rare-earth phosphor.
6. (Original) The lamp according to claim 5, wherein the green-emitting phosphor is a terbium-activated phosphor selected from the group consisting of lanthanum phosphate activated with cerium (3+) and terbium (3+) (LAP), cerium magnesium aluminate activated with terbium (CAP), and gadolinium magnesium pentaborate activated with terbium and cerium.
7. (Original) The lamp according to claim 5, wherein the red-emitting phosphor includes yttrium oxide activated with europium (3+) (YEO).
8. (Original) The lamp according to claim 5, wherein the red-emitting phosphor and the green emitting phosphor are both rare earth phosphors and the ratio of blue-green emitting halophosphate to rare earth phosphors is from 10:9 to 1:1.
9. (Original) The lamp according to claim 8, wherein the ratio of blue-green emitting halophosphate to rare earth phosphors is from 1:5 to 2:5.
10. (Original) The lamp according to claim 9, wherein the ratio of blue-green emitting halophosphate to rare earth phosphors is about 3:10.
11. (Currently Amended) The lamp according to claim [[2]] 1, wherein the white-emitting halophosphate is 50-90% by weight of the blend of phosphors.
12. (Currently Amended) A mercury vapor discharge lamp comprising:
an envelope;
means for providing a discharge;
a discharge-sustaining fill of mercury and an inert gas sealed inside
5 said envelope; and
a phosphor-containing layer coated inside said envelope, said phosphor-containing layer including a blend of phosphors, including:
a blue-green emitting halophosphate having a peak at about

470-490 nm;

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a red-emitting phosphor having a peak at 600-620 nm;
a green-emitting phosphor having a peak at 535-555 nm; and
a white-emitting halophosphate, the white-emitting
halophosphate having a first peak at about 570-590 nm and a second
peak at about 470-490 nm and comprising 60-80% by weight of the
15 blend of phosphors.

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13. (Original) The lamp according to claim 12, wherein the white-emitting
halophosphate is about 70 wt% by weight of the blend of phosphors.

14. (Currently Amended) The lamp according to claim [[2]] 1, wherein the
phosphor layer is the only phosphor layer coated inside said envelope.

15. (Currently Amended) The lamp according to claim [[2]] 1, wherein the
phosphor layer has a color rendition index (CRI) of at least 70.

16. (Original) The lamp according to claim 1, wherein the phosphor blend
is free of blue-emitting rare earth phosphors.

17. (Currently Amended) A method of forming a lamp, the method
including:

5 forming a blend of phosphors, the blend of phosphors including a blue-
green emitting halophosphate having a peak at about 470-490 nm, a red-emitting
phosphor having a peak at 600-620 nm, a green-emitting phosphor having a peak at
535-555 nm and a white-emitting halophosphate, the white emitting halophosphate
having a first peak at about 570-590 nm and a second peak at about 470-490 nm
and a correlated color temperature which is at least approximately the same as that
of the lamp;

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forming a coating comprising the blend of phosphors on a wall of an
envelope; and

sealing a fill inside the envelope, the fill including mercury and an inert
gas.

18. (Original) The method according to claim 17, wherein the blend of
phosphors further includes a white-emitting halophosphate.

19. (Previously Amended) A method of providing a light source, the

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method including:

5 depositing only a single phosphor layer on a surface of an envelope, the phosphor layer including a blend of phosphors, the blend of phosphors including a white-emitting halophosphate, a blue-green emitting halophosphate, a red-emitting phosphor, and a green-emitting phosphor, the white-emitting halophosphate comprising 60-80% by weight of the blend of phosphors; and

10 initiating a discharge within the envelope thereby generating light, at least a portion of the light being converted to light of a different wavelength by the phosphor coating such that light emitted from the envelope has a color rendition index (CRI) of at least 70.

20. (New) The method of claim 19, wherein the blue-green emitting halophosphate, red-emitting phosphor, and green-emitting phosphor, in combination, having a color rendition index of at least 89.